



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 24] नई दिल्ली, शनिवार, जून 11, 1983 (ज्येष्ठ 21, 1905)
No. 24] NEW DELHI, SATURDAY, JUNE 11, 1983 (JYAISTHA 21, 1905)

इस भाग में निम्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 11th June 1983

Patent Office, (Head Office),
214, Acharya Jagadish Bose Road,
Calcutta-700 017.

Telegraphic address "PATENTS".

Rest of India.

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial Jurisdiction on a zonal basis as shown below :—

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Telegraphic address "PATOFFICE".

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New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondichery, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".
1—107 GI/83

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

SPECIAL NOTICE

The qualifying examination as prescribed in Clause (c)(ii) of sub-section (1) of Section 126 of the Patents Act, 1970 read with Rule 95 of the Patents Rules, 1972 will be held at the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi on the 16th and the 17th September, 1983.

The schedule of the written examination will be as follows :—

Paper—I—Patents Act and Rules.—10 AM to 12.30 PM on the 16th September, 1983.

Paper—II—Drafting and interpretation of patent specifications and other documents.—2.30 PM to 5 PM on the 16th September, 1983.

The viva-voce examination will be held on the 17th September, 1983 at 11.00 AM.

SHANTI KUMAR
Jt. Controller of Patents and Designs

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under section 135 of the Act.

5th May 1983

- 558/Cal/83. The Alkali and Chemical Corporation of India Limited. Process for the preparation of novel acrylic monomers and polymers. [Divisional date 16th July, 1980].
- 559/Cal/83. EKO Video Limited. Magnetic tape cassette. (6th May, 1982).
- 560/Cal/83. Westinghouse Electric Corporation. Supersaturated vapor dielectrics.
- 561/Cal/83. Hoechst Aktiengesellschaft. Monoazo compounds, processes for their preparation, and their use as dyestuffs.
- 562/Cal/83. (1) Metallgesellschaft Aktiengesellschaft, (2) Bayer Aktiengesellschaft. Process of producing sulfuric acid.
- 563/Cal/83. (1) Metallgesellschaft Aktiengesellschaft, (2) Bayer Aktiengesellschaft. Process of producing sulfuric acid and oleum.
- 564/Cal/83. Bar-Ilan University. System and methods for cell selection.
- 565/Cal/83. Projects & Development India Limited. Process for the preparation of catalyst for use in hydrogenation of carbon monoxide to methanol.

6th May 1983

- 566/Cal/83. Setafin S.A. A circular loom.
- 567/Cal/83. Indupack Ag. Shed-forming device on a circular loom.
- 568/Cal/83. Kabel-Und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Process for producing a tubular mould of rectangular or square cross-section.
- 569/Cal/83. Iskra-Sozd elektrokovinske industrije n. sol. e. Shift fork of an electric starter for internal combustion engines.
- 570/Cal/83. Samuel Musa George. Improvements in surgical instruments. [(6th May, 1982) and (24th January, 1983)].
- 571/Cal/83. Ukrainsky Institut Inzhenerov Vodnogo Khozyaistva. Apparatus for separating ferromagnetic materials from fluidmedia.
- 572/Cal/83. Vickers, Incorporated. Power transmission.
- 573/Cal/83. Mr. Chandra Sekhar Roy. Light operated versatile switch.

7th May, 1983

- 574/Cal/83. Snamprogetti S.P.A. Synthetic crystalline and porous materials consisting of silicon and boron oxides, their methods of preparation and uses.
- 575/Cal/83. Tsentralny Nauchno-Issledovatel'sky Institut Po Proizvodstvu I Pererabotke Naturalnogo Shelka. A cocoon feeder for use in the rearing of the cocoon reeling automatic machine.
- 576/Cal/83. Ukrainsky Institut Inzhenerov Vodnogo Khozyaistva. Method of determining the quantity of solid fraction of ferromagnetic matter in a fluid.
- 577/Cal/83. J.K. Industries Limited. A metal wire continuity detector.

9th May, 1983

- 578/Cal/83. Jagannath Nag. Methods and drugs for recovery of cancer.

579/Cal/83. Michelin & Cie. (Compagnie General des Etablissements Michelin). Process for holding together the wires of a package bead ring for tires.

580/Cal/83. The Glacier Metal Company Limited. Centrifugal separator. (3rd April, 1978). [Divisional date February 28, 1979].

581/Cal/83. Ukrainsky Institut Inzhenerov Vodnogo Khozyaistva. Magnetic separator.

10th May, 1983

582/Cal/83. Hollingsworth (U.K.) Ltd. Apparatus for forming a composite yarn by friction spinning. (21st May, 1982).

583/Cal/83. Beloit Corporation. Energy absorbers for vibrating headboxes.

584/Cal/83. Occidental Research Corporation. Process for reducing phosphate ore.

585/Cal/83. Walter Grato Rossi. Wheel-wrench support.

586/Cal/83. Mitsui Toatsu Chemicals, Inc. A process for the preparation of diphenyl ether compounds. (5th November, 1979) [Divisional date 29th April, 1980].

587/Cal/83. Mitsui Toatsu Chemicals, Inc. A process for the preparation of diphenyl ether compounds. (5th November, 1979) [Divisional date 29th April, 1980].

588/Cal/83. Mitsui Toatsu Chemicals, Inc. A process for the preparation of diphenyl ether compounds. (5th November, 1979) [Divisional date 29th April, 1980].

589/Cal/83. Mitsui Toatsu Chemical, Inc. A process for the preparation of diphenyl ether compounds. (5th November, 1979) [Divisional date 29th April, 1980].

590/Cal/83. Mitsui Toatsu Chemicals, Inc. A process for the preparation of diphenyl ether compounds. (5th November, 1979) [Divisional date 29th April, 1980].

591/Cal/83. Amitava Ghosh Dastidar. Reinforced concrete piles with novel joints.

592/Cal/83. Agrob Anlagenbau GmbH. Apparatus for heat treatment of materials in pieces at high temperature

11th May, 1983

593/Cal/83. Amar Prasad Banerjee. A process and a device for the recovery of the by-products from beehive coke ovens.

594/Cal/83. Hiron Games Limited. Card Games. (11th May, 1982).

595/Cal/83. Compagnie Europeenne Du Zirconium Cezus. Precision local expansion shaping process and apparatus for metal tubes of substantial length.

596/Cal/83. (1) Dipak Kumar Roy and (2) Sunil Chandra Mondol. Improvements in or relating to tube wheel strainers or filters.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES THIRD FLOOR SUNMILL COMPOUND LOWER PARLE (W) BOMBAY-13

18th April 1983

132/BOM/83. Lakhbir Singh. Patent of addition to 220/Bom/1980. Wick-Stove with Double-Wall Heat-Reflecting-Shield.

19th April 1983

133/BOM/83. Hindustan Lever Ltd., (Convention—UK 28-4-82). Detergent Bars.

134/BOM/83. Hindustan Lever Ltd. Method for preparing Highly active supported Nickel catalysts.

135/BOM/83. Hindustan Lever Ltd. Manufacturing of Detergent Bars.

20th April 1983

136/BOM/83. Eruchsha Nariman Contractor. An apparatus for producing Electrical current from the Energy of the moving particles of Air/Gas.

22nd April 1983

137/BOM/83. Shivprasad H. Thakur. Kargard.

138/BOM/83. Ardeshire Sorabiji Bhatena. Animated Models of various Body Organs and Postures.

23rd April 1983

139/BOM/83. Prabhakar Govind Bhat. Shaft Position Encoder.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

26th April, 1983

85/Mas/83. S. Venkataraman. An attachment to any outlet just like chimneys or exhaust pipe of automobile to control pollution of atmosphere by a process of charging electrically.

86/Mas/83. Dr. P. T. Joseph. A method of coating metallic or alloy surfaces.

87/Mas/83. K. P. Joy. Cycle Dynamo Manipulator.

27th April, 1983

88/Mas/83. B. R. R. Krishna. The production or generation and/or conversion for use of low voltage direct current power application for the production of various forms of energy including work, heat and light from Asolian, Tidal wave, Solar, Hydraulic, Hydro-electric, Magnetic, Magnetohydro-dynamic, Electrical, Electronic and Spring tension emissions.

28th April, 1983

89/Mas/83. A. Jeyakumar. Cooking gas weighing instrument.

30th April, 1983

90/Mas/83. National Remote Sensing Agency. An interface between drum scanner-imager and PDP-11 computer.

91/Mas/83. National Remote Sensing Agency. A drum scanner-imager.

92/Mas/83. Kirloskar Electric Company Ltd. An overvoltage suppressor.

93/Mas/83. Kirloskar Electric Company Ltd. A device for generating phase displaced wave forms.

94/Mas/83. T. A. Vijayan. An improved wet grinder.

95/Mas/83 C. P. Muhammad. Improvements in or relating to Dart Syringe.

ALTERATION OF DATE

151617

707/Cal/81 Antidated 14th March, 1979.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month

applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 205K.

151609.

Int. Cl. B60c 11/00.

METHOD OF MANUFACTURING TIRE BEAD RINGS.

Applicants : MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN), OF 4 RUE DU TERRAIL-6300 CLERMONT FERRAND, FRANCE.

Inventors : (1) JOSE ASQUIER AND (2) JEAN-LOUIS CHARVET.

Application No. 182/Cal/80 filed February 19, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

3 Claims

A method of manufacturing a tire bead ring of the package type by winding metal wires on a form of revolution, the radially inner face of the tire bead ring having a frustoconical shape of half angle α at the apex and of radius R with respect to the axis of rotation of the tire bead ring, in which a permanent circular deformation is effected on the wires prior to their winding on the form of revolution, characterized by the fact that the permanent circular deformation is a radial deformation of a radius substantially equal to the radius R of the tire bead ring and is effected on the wires whose one principal axis of inertia of their cross section is inclined by an angle α with respect to the axis of winding of the wires on the form of revolution.

(Compl. Specn. 7 Pages. Drg. 1 Sheet.)

CLASS : 14B & C.

151610

Int. Class. H01m 1/02, 35/12.

A PROCESS FOR THE MANUFACTURE OF TUBULAR JACKETS OF DRY CELLS.

Applicants : JK BATTERIES, (A DIVISION OF STRAW PRODUCTS LTD). JAYKAYPUR-765017, RAYAGADA, (ORISSA), INDIA.

Inventor : MR. ONKAR NATH RAI.

Application No. 191/Cal/80 filed February 20, 1980.

Complete Specification left 20th February, 1981.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

7 Claims

A process for the manufacture of a tubular jacket of a dry cell which comprises in the step of preforming a blank, from metal sheet having a thickness of at least 0.2 mm, said step of preforming consisting in imparting a plurality of arcuate profiles to said blank so that the angles formed between the centre and the two extreme radii of each arcuate section are equal to each other, introducing said preformed blank on a forming tool to impart a circular shape to said preformed blank, bending one end of said blank and forming tubular jacket without causing a deformation of the tubular jacket.

(Compl. Specn. & Prov. 19 Pages)

Drg. 1 Sheet.)

CLASS : 14B & C.

151611

Int. Cl. H01m 1/12, 35/12.

A DRY CELL.

Applicants : JK BATTERIES, (A DIVISION OF STRAW PRODUCTS LTD.) JAYKAYPUR-765017, RAYAGADA, (ORISSA), INDIA.

Inventor : ONKAR NATH RAI.

Application No. 192/Cal/80 filed February 20, 1980.

Complete Specification left 20 February, 1981.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

4 Claims

A dry cell comprising an inner metallic can forming the negative electrode with a depolarizer mix, a positive electrode disposed within said depolarizer and extending outwardly of said can, a sealing element, at least a top upper piece and a metallic jacket, embracing the length of said cell characterized in that the ends of said jacket along the length thereof are not locked together but are disposed adjacent to each other.

(Compl. Specn. & Prov. 18 Pages.)

Drg. 1 Sheet.)

CLASS : 55D₂ & 60X.

151612

Int. Cl. A01n 9/00.

A PROCESS FOR THE PREPARATION OF COMPOSITION ENDOWED WITH ACTIVITY AGAINST ARTHROPODS.

Applicants : ROUSSEL-UCLAF, OF 35 BOULEVARD DES INVALIDES, PARIS 7EME, FRANCE.

Inventors : (1) ROBERT JOLY, (2) CHARLES PAVAN, (3) PIERRE REGIS CARLE.

Application No. 244/Cal/80 filed March 3, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

14 Claims

A process for the preparation of a composition endowed with activity against arthropods comprising mixing as active material, from 90% to 60% of (S)-1-oxo-2-allyl-3-methyl-cyclopent-2-en-4-yl d-trans-chrysanthemate together with from 10 to 40% of (R)-1-oxo-2-allyl-3-methyl-cyclopent-2-en-4-yl d-trans-chrysanthemate and optionally conventional carriers, excipients, synergistic agents and other additives such as herein described.

(Compl. Specn. 13 Pages.)

Drg. Nil.)

CLASS : 90I, 145B & 174G.

151613

Int. Cl. G12b 3/08.

ATTENUATORS DESIGNED TO SMOOTH OUT PULSATIONS IN A LIQUID SUSPENSION SUCH AS BEING FED TO A PAPER MAKING HEADBOX.

Applicants : BELOTT CORPORATION, OF BELOTT, WI 53511, U.S.A.

Inventor : CARL J. MOEN.

Application No. 295/Cal/80 filed March 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

10 Claims.

An insert type attenuator arranged to function as a reflector of Pulsation in a liquid or liquid suspension comprising : a housing, a conduit positioned within said housing, a flexible diaphragm having a pair of substantially horizontal spaced runs positioned in said conduit, means for flowing said stock suspension through said conduit above and below said spaced runs, means for introducing pressurized gas into said housing, acoustical resistance means in said conduit arranged to reduce resonances, and valve means operable in response to deflection of said runs by departures from matching of longer-term gas pressure and liquid pressure to vent gas from between said runs.

(Compl. Specn. 14 Pages.)

Drg. 4 Sheets)

CLASS : 9D & 136E.

151614

Int. Cl. B22f 3/16.

PROCESS FOR THE MANUFACTURE OF SINTERED IRON-BASED FRICTION MATERIAL.

Applicants : NAUCHNO-ISSLEDOVATELSKY INSTITUT POROSHKOVOI METALLURG II BELORUSSKOGO POLITECHNICHESKOGO INSTITUTA, OF MINSK, ULITSA PLATONOVA, 41, USSR.

Inventors : (1) VALERY ANTSELEVICH GENKIN, (2) ALEXANDR ANATOLIEVICH DMITROVICH, (3) EFIM IZRAILEVICH FISHBEIN.

Application No. 400/Cal/80 filed April 5, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

2 Claims. No drawing.

A process for the manufacture of a material having wear resistance in friction which consists in sintering a composition of :

copper, tin, zinc sulphide, graphite, pyroceramic, lead, the balance being iron, wherein graphite and zinc sulphide are dried at 150°C and all the above ingredients powdered and then screened through sieves, the composition comprising by weight :

Copper	1.5 to 3
tin	1 to 2
Zinc sulphide	2 to 4
graphite	6 to 10
pyroceramic	2 to 5
lead	10 to 20

the balance being iron

the ingredients being then mixed in a neutral liquid such as oil and thereafter pressed in a mould under pressure and finally sintered in a furnace and fritted to a metal base under a pressure of about 20 kg/cm² and at a temperature of 1030°C till it is set.

(Compl. Specn. 14 Pages.)

Drg. Nil.)

CLASS : 107C.

151615

Int. Cl. F01b 3/00.

IMPROVEMENTS IN OR RELATING TO HEAT ENGINES.

Applicants : S.E.C.A. SOCIETE ANONYME, OF RUE FOSSE-AUX-LOUPSA 28D, BTE 68 1000 BRUXELLES, BELGIUM.

Inventor : MARCEL GEIRNAERT.

Application No. 406/Cal/80 filed April 7, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

6 Claims

An improved heat engine comprising: (a) body means having three chambers separated from each other by fixed fluid-tight partitions and having a central bore; (b) shaft means rotatably mounted in the central bore of said body with at least one end of said shaft means extending from the body means; (c) at least two drive cylinders mounted in the central one of the chambers in said body means, each of said drive cylinders including two pistons slidably mounted in opposition with each piston having two opposite working faces, the piston rods attached to the corresponding ones of said pistons traversing a respective one of said partitions through stationary fluid-tight joints for allowing the piston rods to move therethrough on a pure translational movement;

(d) two swash plate means, each one being included in a respective lateral one of said chambers, each swash plate means being attached to the shaft means and having means for mechanical attachment of the piston rods from the corresponding pistons in said drive cylinders.

(Compl. Specn. 24 Pages.)

Drg. 7 Sheets.)

CLASS : 47C.

151616

Int. Cl. C10b 39/14.

CAR FOR RECEIVING INCANDESCENT COKE.

Applicants : DNEPRODZERZHINSKY VAGONOSTROITEL'NY ZAVOD IMENI GAZETY "PRAVIDA", OF DNEPRODZERZHINSK, U.S.S.R.

Inventors : (1) VALERY NIKIFOROVICH KUCHER, (2) ALEXANDR ZAKHAROVICH POPENKO, (3) GEORGY ROBERTOVICH REIMAN; (4) MIKHAIL IVANOVICH DURACHENKO, AND (5) GRIGORY DEMYANOVICH ZHOVTOBRJUKH.

Application No. 652/Cal/80 filed May 31, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

4 Claims

A car for receiving incandescent coke and transporting it from a coking chamber to a quenching site, comprising a bunker removably mounted on an undercarriage and having a band surrounding the bunker at the upper end portion thereof, a wall structure mounted on the bunker and having a band surrounding the wall structure at the lower end portion thereof and in contact with the band of the bunker for linear expansion under the action of heat from the incandescent coke, and a coke-receiving chute attached to the wall structure.

(Comp. Specn. 9 Pages.)

Drg. 4 Sheets.)

CLASS : 32F₁ & 3(a) & 55D₄.

151617

Int. Cl. C07d 7/00; A61k 27/00.

PROCESS FOR PRODUCING ANTIVIRAL FLAVANS.

Applicants : THE WELLCOME FOUNDATION LIMITED, OF 183-193 EUSTON ROAD, LONDON, N.W.1. ENGLAND.

Inventors : (1) JOHN FREDERICK BATCHELOR, (2) DENIS JOHN BAUER, (3) HAROLD FRANCIS HODSON, (4) JOHN WILLIAM TAIBOT SELWAY AND (5) DAVID ALBERT BLAKER YOUNG.

Application No. 707/Cal/81 filed June 29, 1981.

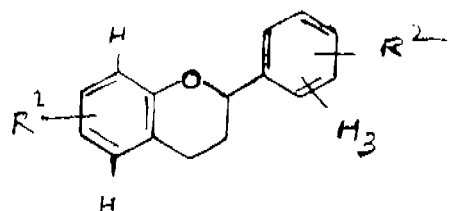
Convention date March 15, 1978 (10251/78) U.K.

Division of application No. 248/Cal/79 filed March 14, 1979.

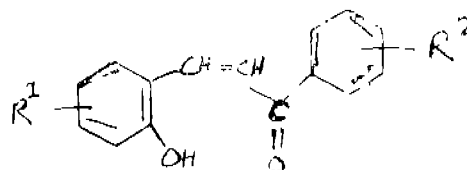
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

9 Claims

A process for producing mono-, di- and tri-substituted flavan derivatives of formula (II).



wherein R¹ represents two substituents selected from the class consisting of halogen, nitro, cyano, trifluoromethyl, lower alkylamino, lower alkyl and hydrogen and R² represents two substituents selected from the class consisting of halogen, nitro, cyano, trifluoromethyl, lower alkylamino, amino, lower alkyl, lower alkoxy except 4'-lower alkoxy, hydroxyl except 4'-hydroxyl and hydrogen provided that when R² represents two hydrogens, one of the substituents represented by R¹ is other than hydrogen or lower alkyl and also provided that at least one of the substituents represented by R¹ and R² is a hydrogen atom characterised by sequentially reducing then cyclising or cyclising then reducing by conventional methods a compound of formula (IV)



wherein R¹ and R² are as defined above, and optionally thereafter converting a compound of formula (II) so formed into another compound of formula (II) and if required forming salts of compounds of formula (II) having an amino or hydroxyl substituent by reaction, in an aqueous medium, with an appropriate mineral or organic acid or base.

(Compl. Specn. 26 Pages.)

Drg. 1 Sheet.)

CLASS : 136 E & H.

151618

Int. Cl. B22f 3/00.

APPARATUS FOR PRESSING PRODUCTS FROM PULVERULENT MATERIALS.

Applicants : INSTITUT VYSOKIKH TEMPERATUR AKADEMII NAUK USSR, OF KOROVINSKOE SHOSSE, IVTAN, USSR.

Inventors : (1) ALEXANDR IVANOVICH BENDELEV, (2) ALEXANDR IVANOVICH KROTOV, (3) MIKHAIL VLADIMIROVICH POLIKOVSKY, (4) ALEXEI IVANOVICH REKOV, (5) ALEXANDR IVANOVICH RAMANOV, (6) LEONID VASILIEVICH CHERNOV, (7) IVAN VASILIEVICH GRIGORIEV.

Application No. 533/Cal/81 filed May 20, 1981.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

4 Claims

An apparatus for pressing products from pulverulent materials wherein forming members including a die with a guide passage and a punch, having an actuator mechanism are made in the form of split collects having resiliently fixed and radially bent tabs, the tabs of the die and punch defining a forming working surface when in the closed position and the tabs of the guide passage directly engaging the periphery of the die.

(Compl. Specn. 9 Pages.)

Drg. 1 Sheet.)

CLASS : 129-J.

151619

Int. Cl. B21d 7/03.

"ESCAPMENT REPEATER FOR AUTOMATIC ROLLING OF ANGLE SECTIONS OF STEEL."

Applicants : SINGH AND ASSOCIATES, an Indian partnership firm of A-145 Gujranwala Town, Delhi, India, whose partners are Rabinder Singh and Krishnamurthy Ramamritham Iyer, both Indian nationals.

Inventors : RABINDER SINGH and HARI GOPAL AGARWAL.

Application for Patent No. 326/Del/79 filed on 6th April, 1979.

Complete Specification left on 5th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005.

3 Claims

An escapement repeater for rolling mills for automatic rolling of angle sections wherein the partially rolled section is guided from one mill stand to the next mill stand through the said repeater which comprises a guide which is adapted to be lifted by means of a pneumatic cylinder, said guide being supported by two arms pivotally mounted at their upper ends on respective shafts and holding the guide in a swingable fashion, the piston of the said pneumatic cylinder pivotally holding one of the arms which carry the guide, and being adapted, when extended, to cause the arms to swing and raise the guide above its base to permit the loop of the rolled material travelling from one mill stand to the next mill stand to adopt an extended position.

(Provisional Specification 3 Pages. Drawings 1 Sheet)

(Complete Specification 6 Pages. Drawings 1 Sheet)

CLASS : 50-B.

151620

Int. Cl. F28c 1/00.

"IMPROVEMENTS IN OR RELATING TO AN AIR COOLER."

Applicant & Inventor : RAVINDER SINGH, of Y-77 Hauz Khas, New Delhi-110016, India an Indian citizen.

Application for Patent No. 306/Del/79 filed on 8th May, 1979.

Complete Specification left on 15th May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005.

9 Claims

An improved air cooler comprising a chamber having at least front and rear plain faces, means for blowing air disposed within said chamber and directed towards the front face thereof, an outlet provided in said front face for the expulsion of blown air, a plurality of vents provided in the chamber body through which air is drawn by said blowing means, a storage tank for water located at the base of said chamber below the level of said air vents and a cylindrical frame located within the chamber with its periphery in proximity to the interior walls or body of the chamber, said frame supporting thereabout a covering of water-retainable material such as herein described and being mounted about a rotatable shaft removably coupled to the drive shaft of the blowing means whereby when the blowing means is actuated thus causing said rotatable shaft to turn, the framework of water-retainable material rotates simultaneously and passes in contact with the water in the storage tank at the base of the chamber, air drawn through the vents is cooled as it is sucked through the water-impregnated material and the cooled air is expelled through the outlet by the blowing means.

(Provisional Specification 6 Pages. Drawings NIL)

(Complete Specification 11 Pages. Drawings 2 Sheets)

CLASS : 50-B.

151621

Int. Cl. F28c 1/00.

"AN AIR COOLER."

Applicant & Inventor : RAVINDER SINGH, of Y-77 Hauz Khas, New Delhi-110016, India, and Indian national.

Application for Patent No. 353/Del/80 filed on 15th May, 1980.

Divided out of Application No. 306/Del/79 filed on 15th May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Delhi Branch.

5 Claims

An air cooler comprising a chamber at least one face of which is provided with a plurality of vents through which air is adapted to be drawn, water feed means equipped with a plurality of nozzles located within said chamber immediately in front of said air vents, a plurality of venturis or draught tubes provided within said chamber in proximity to said nozzles in such a way that the nozzles of the water feed means are directed into said venturis whereby water from said nozzles ejected into said venturis creates the requisite draught to such air through said vents into the venturis, said air and water passing through said venturis and impinging on the opposite plain face of the chamber, the water collecting at the base of the chamber and draining out through an outlet located therein while the air, cooled by its contact with the water, is expelled through an opening located in a face of the chamber.

(Complete Specification 8 Pages. Drawings 1 Sheet)

CLASS : 690

151622

Int. Cl. H01h 50/02.

AN IMPROVED ELECTRO MAGNETIC RELAY SUCH AS CONTACTOR.

Applicants : LARSEN & TOUBRO LIMITED, L & T HOUSE, NAROTTAM MORARJI MARG, BALLARD ESTATE, BOMBAY-400 001, INDIA.

Inventor : DEVENDER NATH.

Application No. 3/BOM/1980 filed Jan. 5, 1980.

Comp. after prov. left on Nov. 12, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

2 Claims

An improved electromagnetic relay such as contactor, wherein the magnet system and the contact system are mounted in a common casing, said common casing being adapted to be mounted on a supporting panel or the like and consisting of a lower portion, and an upper portion formed of two detachable halves dovetailed to said lower portion, said common casing further consisting of a pair of studs, each of said studs being slidably supported on either side of said lower portion and loaded by a spring, the head of each of said studs pressing against each of said detachable halves when the corresponding spring is released thereby locking each of said detachable halves and the head of each of said studs being pressed thereby compressing the corresponding spring to unlock each of said detachable halves.

Complete specification 7 pages.

Drawing NIL

Provisional specification 6 pages.

Drawing 1 Sheet.

CLASS : 104F+151G+152F.

151623

Int. Cl. B29h 5/16, C08C 13/00, 17/00, C08d 7/00, 13/00+C08f 37/00, 45/00+47/00.

Applicants : UNIVERSAL LUGGAGE MFG. COMPANY PRIVATE LTD., BLDG 'B' SHAH INDUSTRIAL ESTATE, SAKI VIHAR ROAD, BOMBAY-400 072, MAHARASHTRA, INDIA.

Inventor : JAL SORABJI ENGINEER.

Application No. 89/BOM/1980 filed March 27, 1980.

Appropriate office for opposition proceedings (Rule 4, patents Rules, 1972), Patent Office, Bombay Branch.

18 Claims

A composition for instant and simultaneous inflation and repair of a punctured rubber tube having foamy characteristics comprising a latex or natural or synthetic rubber having a solid content in the range of 30 to 80% by weight dispersed in a hydrocarbon gas under pressure such as propane, n-butane, Iso-Butane, or blends thereof alongwith conventional antioxidant, accelerator, synthetic emulsifier, vulcanising agent and antiageing agent and a synthetic fatty acid such as stearic acid, coconut fatty acid in combination with foam booster as herein described.

Complete specification-11 pages.

Drawings NIL.

Ind. Cl. : 39E.

151624

Int. Cl. C01b 31/36.

Title : A PROCESS FOR THE MANUFACTURE OF GREEN SILICON CARBIDE (SiC) USING NEW CARBONACEOUS MATERIALS.

Applicant GRINDWELL NORTON LIMITED, AN INDIAN COMPANY DULY REGISTERED AND INCORPORATED UNDER THE COMPANIES ACT, 1956, AND HAVING ITS REGISTERED OFFICE AT :—ARMY & NAVY BUILDING, 148, MAHATMA GANDHI ROAD, BOMBAY-400023, MAHARASHTRA, INDIA.

Inventors : 1. DR. ARAKALI LAKSHMINARAYANA SASHI MOHAN, 2. SHRI RUSI GOVENOR.

Application No. 148/BOM/80 filed May 30, 1980.

Complete after provisional left on May 21, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A process for the manufacture of green silicon carbide (SiC) comprises mixing carbonaceous materials derived from agricultural wastes such as raw coconut shells or char derived therefrom which is produced by charring or destructive distillation of coconut shells by burning in the open air or in a mound or in a pit or any other enclosure with controlled or uncontrolled access of air or by heating in a retort at a temperature of upto 800°C., preferably 400°-600°C., either alone or in combination with petroleum based carbonaceous materials such as raw petroleum coke, raw pitch coke or anthracite coal, with crushed quartz and/or silica sand, packing the said mixture around graphite core of an electrical resistance furnace, at a temperature above 1350°C. preferably upto or above 1800°C.

Provisional specification 5 pages.

Drawing NIL

Complete specification 9 pages.

Drawing NIL.

IND. Cl. 101 F.

151625

IND. Cl. E03b 5/00.

Title : A DEVICE FOR PREVENTING WATER HAMMER IN PIPE LINE.

Applicant & Inventor : ARVIND SHANKAR CHITALE, L.I.C. COLONY, PLOT NO. 1, BEHIND HOTEL SHAKUN, PUNE-411 009, MAHARASHTRA STATE, INDIA.

Application No. 167/BOM/80 filed June, 17, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972) Patents Office, Bombay Branch.

1 Claims

A device for preventing water hammer in pipe line comprising a conical hollow housing adapted to be connected to the pipe line, a float valve, having convex top and bottom surfaces, and having plurality of sides, the said float valve made out of material having specific gravity of more than 1 but by virtue of its construction, the said float valve is capable of floating in the hollow portion of the said conical housing; there being internally provided in the said housing, projecting guides for the said float valve—to travel smoothly in upward or downward direction with the rise or fall of the water level; there being provided a cover with internal curvature corresponding to the convex surface of the said float valve, and a breathing hold in the said cover, finally there is provided another cover to conceal the breathing hole.

Complete specification-5 pages.

Drawings-2 Sheets.

IND. Cl. : 28G+180.

151626

Int. Cl. : F24c 5/04.

Title : WICK STOVE WITH HEAT REFLECTING SHIELD.

Applicant & Inventor : LAKHBIR SINGH, INDIAN, 5-B, ANAND PARK, PUNE-411 007, MAHARASHTRA, INDIA.

Application No. 220/BOM/1980 filed July 19, 1980.

Comp. specification left after Prov. on . . . July 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Bombay Branch.

3 Claims

A wick-stove comprising a kerosene oil tank, a set of wicks movable up and down through guide-tubes, a burner consisting of two perforated-combustion-sleeves, and a vessel supporting stand, wherein is provided a coaxial heat-reflecting-shield outside the burner, this shield being made either in a concave shape of its inside face, or as a hollow paraboloid or an inverted-truncated-cone.

Provisional specification 6 pages.

Drawing 1 sheet.

Complete specification 7 pages.

Drawing 1 sheet.

IND. Cl. : 52B.

151627

Int. Cl. : B31b 1/14.

AN IMPROVED PAPER PUNCHING MACHINE.

Applicant & Inventor : KUMAR BALRAM BHATIA C/O. BLUE STEEL ENGINEERS PVT LTD BLUE STEEL HOUSE D-12, M.I.D.C. MAROL ANDHERI EAST BOMBAY-400 093, MAHARASHTRA, INDIA.

Application No. 245/BOM/80 filed August 18, 1980.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

6 Claims

1. An improved paper punching machine for providing a pair of holes with varying distance by the same punching machine comprising at least three slidable steel punches of which one punch is fixed at one side and the other two are positioned at the other side, a spring loaded movable shaft which when pressed down by a top plate presses down the steel punches to shear holes, the movable shaft being mounted on the said punches by passing it through vertical slots provided in the said punches and the shaft is provided with a notch at its lower side for engaging with one of the said two punches positioned at the other side.

Comp. specn. 6 pages.

Drawing 1 sheets.

CLASS : 32E+152E.

151628

4 Claims

Int. Cl. : C08f 15/00.

A PROCESS FOR THE PREPARATION OF A COPOLYMER FROM ISOLIMONENE AND β -PINENE.

Applicants : CAMPHOR AND ALLIED PRODUCTS I.T.D. JEHANGIR BUILDING, 133 MAHATMA GANDHI ROAD, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventors : 1. DR. ESWARAN RAGHAVAN, 2. DR. AJAI PRAKASH & 3. DR. SUKH DEV.

Application No. 268/BOM/1980. filed September 11, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

4 Claims

A process for the preparation of a copolymer from isolimonene and β -pinene which comprises copolymerisation of a mixture of isolimonene and β -pinene, taken in the ratio of 4 : 1 by weight in presence of a Friedel-Crafts catalyst such as anhydrous aluminium chloride in an a-aromatic solvent such as toluene or xylene at a temperature between 50°C and 50°C.

Complete specification 5 pages.

Drawings NIL

CLASS : 162+74

151629

Int. Cl. : D07b 1/00.

AN EMBOSSED AND SERRATED POLYPROPYLENE AND OR HIGH DENSITY POLYETHYLENE TAPE AND PROCESS TO MANUFACTURE THE SAME.

Applicant : GARWARE WALL ROPES LTD, PLOT NO. 11, BLOCK D MIDC CHINCHWAD, PUNE-411 019, MAHARASHTRA.

Inventor : RAMESH MANJANATH TELANG.

Application No. 331/BOM/1980 filed October 31, 1980.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claims

1. An embossed and serrated polypropylene and or high density polyethylene tape and process to manufacture the same comprising extruding a primordial tape having a cross section with plurality of lobe, or similar cross section of varying configurations; the said tape being stretched by passing over a set of slow speed godet rollers, and oven and a set of fast godet rollers to reel out as a thin tape of desired consistency characterised in that the said stretched tape is further passed through a set of embossing rollers whereby the said tape will have closely spaced embossed markings in varying directions such that the resultant tape will be soft and pliable tape to be suitably adapted for making ropes therefrom.

Comp. specn. 5 pages,

Drgs. 3 Sheets.

CLASS : 39N+O

151630

Int. Cl. : C01b—33/06+C 22C 29/00.

Title : A PROCESS FOR THE MANUFACTURE OF CALCIUM SILICIDE FROM WOLLASTONITE MINERAL.

Applicant & Inventor : DR. PRABHAT CHARAN MUKHARJEE OF B-70, I.I.T. BOMBAY-400 076, MAHARASHTRA STATE, INDIA.

Application No. 378/BOM/80 filed on December 5, 1980.

Comp. after prov. left on.... February 13, 1981.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

A process for the manufacture of calcium silicide containing calcium to the extent of 45 per cent from the mineral Wollastonite (a meta-silicate of calcium), which comprises reducing a charge of Wollastonite in the powdered form with carbon like graphite, coke, coal, or carbon gases like producer gas or natural gas or combination thereof in the presence of additional silica in a furnace maintained at or above 1500°C.

Prov. specification 3 pages.

Drawing NIL

Comp. specification 5 pages.

Drawing NIL

IND. Cl. : 146B.

151631

Int. Cl. : B431 13/00.

Title : A TRACK TYPE DRAFTING UNIT FOR USE IN A DRAFTING MACHINE AND A DRAFTING MACHINE COMPRISING THE SAME.

Applicant : THE RAJA BAHADUR MOTILAL POONA MILLS LTD. OF 5, R.B. MOTILAL ROAD, POONA-411 001, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : DWIJENDRA LAL MUKHARJEE; PADMANABHA BALKRISHNA KAKATHKAR.

Application No. 379/BOM/80 filed December 6, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

14 Claims

A track type drafting unit for use in a drafting machine comprising a horizontal section having a track and being detachably connectable to a drawing board; a horizontal carrier plate slidably in the track of the horizontal section and being adjustable in the track of the horizontal section and having locking means to lock it to the horizontal section; a hollow vertical section having a track the upper end of the hollow vertical section being connected to the horizontal carrier plate through a swivelling joint such that the perpendicularity of the hollow vertical section to the horizontal section is adjustable and the lower end of the hollow vertical section which rests on the drawing board being provided with adjustable roller means to align and support the hollow vertical section on the drawing board; a vertical carrier plate slidably provided in the track of the hollow vertical section and being adjustable in the track of the hollow vertical section and having locking means to lock it to the hollow vertical section; a protractor head connected to the vertical carrier plate through double swivelling joints and being angularly adjustable; a detachable vertical scale and a detachable horizontal scale mounted on the protractor head; and a counter balancing weight mechanism slidably supported in the hollow vertical section and adjustably connected to the vertical carrier plate.

Complete specification 17 pages.

Drawings 9 sheets.

IND. Cl. : 92C.

151632

Int. Cl. A23n 5/00.

Title : ARECA—NUT—PEELER.

Applicant : INANA PRABODHINI, 514 SADASHIV PETH, PUNE-411 030, MAHARASHTRA STATE, INDIA.

Inventor : MAHAYINGAM GOVIND BHAT.

Application No. 383/BOM/80 filed December 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claims

An areca nut peeler comprising an inner rotary drum housed in another hollow outer drum having a hopper with an adjustable gate on one side at the top, a delivery spout on the lower side of the said hollow drum, a horizontal

blunt scraper knife longitudinally projecting on the inside of the said outer drum but not touching the said inner rotary drum; a plurality of longitudinal scrubbing member preferably in helical direction provided over the surface of the said rotary drum, the said scrubbing member being made of resilient material such as hard rubber, felt and the like such that the areca nuts which are fed from the hopper, drop over the said inner rotary drum and after being hit against the said blunt scraper knife are trapped between the said scrubbing member and the inner wall of the said outer drum and get peeled by the said blunt scraper knife; the peeled nuts drop down through the said delivery spout and over a perforated shaking screen having blowing arrangement to blow off the lighter material from the peeled nuts, for collection.

Complete specification 5 pages

Drawing 2 sheets.

Int. Cl.: 128F 1-G.

151633

Ind. Cl.: A61b—10/00.

Title: A BIOPSY NEEDLE.

Applicant & Inventor: DR. SIDDHARTHA KUMAR BISWAS, CENTRAL RAILWAY QRT., D 23/B, P.O. AJNI, NAGPUR-400 003, MAHARASHTRA, INDIA.

Application No. 13/BOM/81 filed Jan. 13, 1981.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims

A biopsy needle comprising of two co-axial tubes, an outer tube preferably of circular cross section and a matching inner tube flattened slightly throughout its length on one surface so as to form a thin flattened sectoral compartment/space between the said tubes on assembly, one end of both the tubes is cut to form a sharp cutting edge of the biopsy needle, a knob provided integrally or otherwise on the other end of the said inner tube, a rectangular hole or gap provided in the said flattened surface of the inner tube near the cutting edge and a small metal piece welded or provided integrally beyond the said hole to fill up or block the sectoral gap between the said tubes at the said cutting edge; a cutting stylus passing through the said compartment a solid central stellate of cross section matching with the lumen of the inner tube movably provided inside the inner tube.

Complete specification 14 pages.

Drawing 1 Sheet.

CLASS: 53E:

151634

Int. Cl.: B62k 19/30.

A SHOCK-PROOF SUPPLEMENTARY SEAT FRAME FOR BICYCLES, MOPEDS AND SIMILAR TWO OR THREE WHEELER VEHICLES.

Applicant & Inventor: BIPINBHAI VADILAL MEHTA C-9, Seafree Park, Phulabhai Desai Road, BOMBAY-400 026 MAHARASHTRA, INDIA.

Application No. 149/BOM/1981 filed May 29, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A shockproof supplementary seat frame from bicycles mopeds as similar two or three wheeler vehicles as claimed in any one of the claims 1 to 21 of Indian Patent No. 148,911 wherein the said frame is supported as two points of main vehicle frame instead of three points and the said frame comprising a rigid seat bracket carrying a seat for one or two riders and welded or bolted to middle lower portion of the seat frame is a longitudinally extending flat bar/pipe section, the front end of which is rigidly connected to a cleat pivotally mounted on front pipe end of main vehicle frame and said pivotal mounting means forms the first support point, and said rigid seat bracket of seat frame being provided on its lower surface along the said longitudinally extending flat bar/pipe in spaced relationship, two transverse plates/clamps for rigidly connecting thereto a cage/brake having longitudinally extending slot/passage wherein is slid a locating pin bracket having a locating pin press-fitted into the seat pipe of vehicle frame along with a sleeve surrounding the locating pin and having a number of holes in its peripheral surface containing therein steel balls which are in contact with inner surface of seat pipe on outer face and locating pin on their inner face and the free end of said locating pin is provided with a flanged stud to prevent the said sleeve from sliding downwardly in the seat pipe beyond the fixed or desired limit, which rests over a compression spring provided in the seat pipe and which forms the second support point, the arrangement being such that locating pin bracket having rollers or roller pins or steel ball bearing and is adapted to slide forward/backward within the limits set by the said slot/passage provided in the said cage bracket thereby preventing sideways sway of said seat frame across the vehicle frame and at the same time said locating pin moved upwardly and downwardly within said seat pipe on said compression spring thereby jamming of supplementary seat frame within vehicle frame is also prevented.

Complete specification 15 pages.

Drawing 3 Sheets.

OPPOSITION PROCEEDINGS

(1)

The opposition has been entered by M/s. Gujarat Reclaim & Rubber Products Ltd. to the grant of a patent on application No. 145917 made by Kamini Metallic Oxides Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 11th August, 1979 has been dismissed and a patent has been ordered to be sealed on the application subject to amendment of the specification.

(2)

An opposition has been entered by National Research Development Corporation of India, to the grant of a patent on application No. 150661 made Permelec Electrode Ltd.,

PATENTS SEALED

148985 149006 149926 150040 150199 150233 150240 150325
150349 150424 150440 150441 150454 150489 150490

COMMERCIAL WORKING OF PATENTED INVENTION

LIST NO. 5

The following patents in the field of Mechanical & General Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of calendar Year 1981, generally on account of want of requests for licences to Worked the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of licence for the purpose.

S. No.	Patent No.	Date of patent	Name and address of the patentee	Title of the invention
1	2	3	4	5
1	141027	26-7-75	Josef Krings D-5138 Heinsberg Oberbrunch Hans-Boucher Strasse 23, German Federal Republic.	Cribbing plate for securing conduit trenches or the like

1	2	3	4	5
2	141053	13-2-75	Girling Ltd., Kings's Road, Tyseley Birmingham 11, Warwickshire, England	Improvements in disc brakes for rail vehicles
3	141064	4-6-74	Pandrol Ltd. 7 Rolls Buildings Fetter Lane London E.C. 4 U.K. England	A railway rail fastening member and a railway rail and fastening assembly employing it.
4	141073	15-1-75	Combustion Engg. Inc 1000 prospect Hill Road Windsor Connecticut USA.	Steam generator buckstay leveler systems.
5	141087	13-3-74	The Cross Co 17801 Fourteen Mile Road, Fraser, Michigan 48026 USA.	A tool adjusting system for a machine having a tool for machining surface of a plurality of work pieces to a predetermined nominal dimensions.
6	141104	8-1-74	Carlos Pujol Isern Calte Santato 148 Barcelona Spain	Method of and apparatus for joining two threads.
7	141127	12-11-74	Jean Ernst Kopp Meyriez, Murten, Switzerland.	Friction overload coupling.
8	141139	21-12-73	Combustion Engg. Inc 1000 Prospect Hill Road Windsor, Connecticut USA.	Connecting means for adjacent walls of two abutting ducts
9	141171	18-9-74	Siemens Aktiengesellschaft Berlin & Munich, West Germany.	Steam filter for turbines, a method and a device for making said steam filter.
10	141172	9-4-75	Girling Ltd Kings's road, Tyseley Birmingham 11, Warwickshire England	Improvements in tandem master cylinders for hydraulic braking systems.
11	141190	Do.	Do.	A method of manufacturing a friction disc and a friction disc so manufactured.
12	141204	15-11-73	Forest City Dillon INC 17301 Akron Peninsula Road Akron, Ohio USA	Unitized building and method of erecting the same.
13	141205	14-3-74	Platt Saco Lowell Ltd Holcombe Road, Helmsdale, Rossendale, BB4 4NG Lancashire England.	A chain or belt tensioning arrangement for variable speed gear.
14	141207	23-2-74	Davies & Metcalfe Ltd Injector Works, Romiley, NR Stockport, Cheshire SK6 3AE England.	Spring brake unit.
15	141219	10-11-75	Shell Internationale Research Maatschappij B. V. Carel Van Bylandtlaan 30, Hague, The Netherlands	Heat exchanger for cooling hot gases.
16	141275	7-5-74	F. L. Smith & Co Vigerslev Alle 77, DK 2500 Copenhagen Valby Denmark.	A method of cooling granular material and a planetary cooler therefor.
17	141308	10-7-74	Marryat Finance Ltd 40/42 Halton Garden, London EC1P 1AN Grossbritannien England	Angular guidance arrangements for conveyor belt systems.
18	141319	12-3-74	Davies & Metcalfe Ltd Injector Works, Romiley, NR, Stockport, Cheshire, SK6 3AE England.	Improvements in or relating to air brake distributors for use in railway locomotives and rolling stock
19	141338	12-2-74	Kabel-Und Metalwerke Gutehoffnungshutte Aktiengesellschaft 3000 Hannover, Vahrenwalder Strasse 271, Postfach 260, FRG.	Method and apparatus for paring wires metal extrusions and other elongated metallic material.
20	141339	13-2-74	Ruti Machinery Works Ltd 8630 Ruti Zurich Switzerland.	Shedding motion for a loom.
21	141359	21-5-75	Ruti TE Strake BV Industrieweg 7, Deurne, One Netherlands.	A weft thread inserting nozzle
22	141372	26-7-75	Josef Krings D 5138 Heinsberg Oberbruch Hane Bockler strasse 23, German Federal Republic	Lining apparatus for the protection of trenches for utilities such as pipes and cables
23	141380	18-4-74	Pulman Incorporated 200 South Michigan Avenue, Chicago, Illinois, USA	Welding J.I.G. (jig).
24	141383	9-8-74	Licentia Patent Verwaltungs GmbH Theodore turn Kai, 6 Frankfurtm 70, FRG.	Apparatus for protection for tubes or cable sheaths of metal by extrusion

1	2	3	4	5
25	141387	6-8-75	American Can Co American Lane, Greenwich, Connecticut 06830 U.S.A.	Curled container bodies method and securing closures thereto and containers formed thereby.
26	141397	23-3-74	National Research Development Corporation Kingsgate House, 66-74 Street, London SW 1 England	Method and apparatus for removing testae from the decorticated kernels of cashew nuts
27	141428	2-7-75	Shell Internationale Research Maaschappij BV Carel van Bylandtlaan 30, The Hague The Netherlands	Apparatus for feeding finely divided solid fuel to a high pressure gasification chamber.
28	141434	24-4-74	Dr. C. Otto & Comp GmbH Christstrasse 9 Postfach 1849/1850 463 Bochum, West Germany	Coke oven door.
29	141478	23-5-75	Palitex Project Co GmbH Weerserweg 8, 415 Krefeld, West Germany	Means on or attachable to a textile Machine for the positioning or receiving of a thread and end its transport along a predetermined path
30	141481	6-8-75	American Can Co American Lane, Greenwich, Connecticut-06830 USA.	Double seamed container and method
31	141503	26-6-73	Fierro Esponda SA Avenida, Los Angeles Orinto Monterrey N. L. Republic of Mexico	Apparatus for charging interchangeable reactors
32	141514	8-2-74	Gewerkschaft Eisenhütte W4628 Welthmar Bei Lunen Westfalia FRG	Improvements in scrooper chain conveyors
33	141531	27-12-74	Libbey Owens Ford Co 811 Madison Avenue, Toledo Ohio USA.	Method for bending glass sheets and apparatus for same.
34	141592	20-3-74	Dewrance & Co Ltd Frevithick Works Gillibrands Estate, Skiemersdaile, Lancashire WN8 9TU England	Volume regulator for fluids
35	141629	8-11-73	Libbey Owens Ford Co 811 Madison Avenue, Toledo, Ohio USA	Determination of optical quality of flat glass sheets
36	141631	27-2-74	USS Engineers & Consultants INC 600 Grant street, Pittsburg Pennsylvania USA	Operating mechanism for slidable gates of bottom pour vessel and a bottom pour vessel
37	141641	12-6-74	Great Lakes Carbon Corp 259 Park Avenue New York USA	Method and apparatus for cooling and dusting hot particulate material
38	141642	14-6-74	Asahi Kasei Kogno 25, 1-chome Doji Macamachori Ketaku, Kabushiki Kaisha Osaka Japan	Apparatus for continuously heat treating fibrous materials under pressure
39	141655	21-12-73	Fried Krupp GmbH	Hinged and fast support especially for a bridge
40	141681	15-1-74	E.I. Du Pont De & Co Wilmington Delaware USA	Process for continuously forming compartmented packages
41	141694	27-5-74	Snamprogetti SpA 16 Corso Venezia, Milan Italy & Sappen S. pA Corso Venezia, 16 Milan Italy	Apparatus suitable for examining submerged pipelines
42	141799	12-1-75	Veb Wirkmaschinen Bau K.M.S. Annaberger strasse 73, 90 Karl Marx Stad German Democratic Republic	Process and apparatus for the manufacturing of patterned pile loop fabrics
43	141826	7-6-76	Dr. C. Otto & Comp GmbH Christstrasse 9 Postfach 1849/1850 463 Bochum West Germany	Slag bath generator
44	141853	29-3-74	Snia Viscosa Societa Nazionale Applicazioni Viscosa S. pA 18, Via Montebello, Milan Italy,	Improvements in or relating to machines for continuously spinning and treating rayon viscose filaments and yarns
45	141854	11-7-74	Dr. C. Otto & Comp GmbH Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Coke side shed for coke ovens
46	141878	8-11-73	Wabco Westinghouse Servan France	A fluid pressure operated load compensating relay valve device

1	2	3	4	5
47	141879	31-5-74	G. D. Societa Per Azioni Via Pomponia 10, Bologna, Italy	Transmission system for a high speed cigarette packing machine
48	141918	21-9-74	Veb Kombinat Polygraph 705 Leipzing Zwienamd Orfer strasse 59 German Democratic Republic	A combined inking and damping device for offset printing machines
49	141920	29-10-74	Johnson & Johnson 501 George Street New Brunswick New Jersey, USA	Anti fog surgical face mask with slits
50	141921	9-4-75	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Charging car for coke ovens
51	141923	19-9-75	Gustav Schade Maschinenfabrik GmbH & Co D-4600 Dortmund A.M. Rosenplatz Chen 120 German Federal Republic	Apparatus for extracting bulk material from dumps.
52	141940	18-2-75	Libbey Owens Fords Co 811 Madison Avenue Toledo Ohio USA	Heat treating glass sheets
53	141960	10-2-75	David Sciaky 999 North Lake shore Drive Chicago Illinois USA	Rotating arc welding method and apparatus
54	141970	2-12-74	Agrotechnika NP Padnikove Riaditelstvo Zvolen Czechoslovakia	Reactor for biological water treatment
55	141974	17-3-75	V. M. Rao Ramkrishna Buldg 36, Mount Road Madras 6 Tamil Nadu India	Equipment for deducting industrial gases
56	142007	22-1-74	Greer Hydraulics Inc 5930 West Jefferson Boulevard Los Angeles 16 California USA	Pressure vessels of the type having a rigid container with a deformable bladder.
57	142087	22-5-75	Girling Ltd Kings's Road, Tyseley, Birmingham 11, Warwickshire, England	A master cylinder assembly for a vehicle hydraulic braking system
58	142113	24-4-74	Dr. C. Otto & Comp. Christstrasse 9, Postfach 1849/1850 463 Bochum, West Germany	Improvements in or relating to a blast preheater
59	142145	20-3-75	Girling Ltd Kings Road, Tyseley, Birmingham 11, Warwickshire, England	Improvements in vehicle disc brakes
60	142147	25-7-75	Josef Krings D 5738 Hinsberg Oberbruch German Federal Republic	Sheeting arrangements for canals and like purpose
61	142166	25-1-75	Josef Krings	Sheeting arrangements for shoring trenches
62	142192	1-5-74	C. S. I. R. Rafi Marg New Delhi, India	A burner
63	142201	24-10-73	Westinghouse Electric Corp westinghouse building, Gateway Center, Pittsburgh, Pennsylvania 15222 USA	System for controlling operation of a steam turbine
64	142216	2-12-74	Intercole Automation Inc 12011 Van Vicente Boulvavard Los Angeles California USA	Apparatus for compounding and conveying injection moulding materials
65	142227	17-9-75	Girling Ltd Kings's Road, Tyseley, Birmingham 11, Warwickshire, England	Pressure differential working actuators for use in dual hydraulic braking systems for vehicles
66	142237	23-8-74	Johnson & Johnson 501 George Street New Brunswick New Jersey USA	Surgical drape for use on an operation table
67	142238	23-8-74	Do.	Self adhesive surgical drape
68	142244	15-4-75	Knorr Bremse GmbH 810 Moosacher Strasse & Munich 40 FRG	Control valve for pressure air brakes in particular for rail vehicles
69	142248	13-8-74	Marion Power Shovel Co Inc. 617 West Centre street, Ohio USA	A support assembly for use in an excavator or a crane
70	142260	17-12-76	Somnath Roy 229 B. N. Road, Calcutta 60, West Bengal India	Improvements in or relating to air apparatus for withering green tea leaves

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71	142283	27-11-74	Spirax Sarco Ltd Saint George's Road, Cheltenham GL50 3EN Gloucestershire England	Improvements in or relating to adjustment device for adjustment to be effected by a rotary motion such as in an airline pressure regulator
72	142331	3-10-75	British Steel Corpn. 33 Grosvenor place, London SW1 England	Improvements in relating to non destructive testing apparatus
73	142345	19-9-74	Girling Ltd Kings's Road, Tyseley Birmingham 11, Warwickshire England	Brake pressure control valves
74	142346	26-9-74	G. D. Societa per Azioni Via Pompania 10, Bologna, Italy	High speed cigarette packing machine
75	142347	30-9-74	Edward Koppleman 4424 Bergame California USA	Process and apparatus for seasoning wood
76	142355	18-3-75	Palitox Project Co. Weeserweg 8, 415 Krefeld, West Germany	Thread brake for a double twisting spindle
77	142385	15-10-75	Johnson & Johnson 501 George Street, New Brunswick New Jersey USA	A surgical face mask
78	142386	26-3-74	Girling Ltd Kings' Road, Tyseley, Birmingham 11, Warwickshire, England	Improvements in or relating to sliding caliper disc brakes
79	142404	2-12-74	Intercole Automation Inc. 12011 Van Vicente Boulevard Los Angeles California USA	Continuous mixer apparatus
80	142409	28-5-75	Research Corporation 405 Lexington Avenue New York 10174 USA	Power piston actuated displacer piston driving means for free piston stirling cycle type engine
81	142422	30-6-75	USS Engineers & Consultants Inc 600 Grant street, Pittsburg Pennsylvania, USA	Electrolyte treating apparatus
82	142451	26-7-75	Josef Krings D 5138 Heinsberg Oberbruch Stans Bockler strasse 23, German Federal Republic	A guiding head for a bracing struct of a trench revetment device
83	142465	12-7-74	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	A horizontal coke oven having cross re-generators
84	142565	21-10-75	Josef Krings D 5438 Heinsberg Obergruch Federal Republic of Germany	Sheeting plate for trench sheeting
85	142619	9-4-75	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Plant for chemo physical surfaco treatment of wire coils
86	142622	7-4-76	Siemens Aktiengesellschaft Berlin & Munich West Germany	Improvements in or relating to the process and apparatus for surface grinding a work piece
87	142648	20-1-76	Wilhelm & Gustav Eirich Federal Republic Germany	Pulverising apparatus with a toothed disc
88	142703	1-9-75	Abex Corporation 530 Fifth Avenue New York 10036 USA	Control system for a variable displacement pumps
89	142707	20-8-74	Societe D'etudes De Machines Thermiques SEMT Quai de Seine 93202 Saint Denis France	Improvements in or relating to safety control device for limiting the temperature of a fluid to a given upper valve
90	142715	4-2-76	The Parker Pen Co 219 East Court Street Janesville, Wisconsin 53545 USA	A nib assembly for a writing pen and a writing pen incorporating the nib assembly
91	142741	8-10-75	Yoshio Murao Ha-56-1 Masuizumi-machi Kanaxawa Ishikawa Pref Japan	Cleaning machine for bobbins with waste sliver
92	142724	11-7-74	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany.	Levelling device for coke ovens

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93	142745	27-6-74	Societe E Etudes De Machines Thermiques SEMT Quai de Seine 93202 Saint Denis France	A device for conditioning the air supply for a low compression ratio supercharged internal combustion engine in particular at start and low load operation
94	142759	4-10-75	Knorr Bremse GmbH 8000 Munchen 40, Moosacher strasse 80, F.R. Germany	Compressed air braking device for rail vehicles
95	142780	23-4-76	F. L. Smidth & Co 77 Vigerslev alle, DK 2500 Valby Copenhagen, Denmark	Improvements relating to rotary drum plants
96	142810	11-10-74	R. N. Kher C/o Wox coolers Pvt Ltd D-24 Defence Colony New Delhi-110024 India	A pump capable of use for example in air coolers
97	142818	28-1-76	The Parker Pen Co 219 East Court Street Janesville, Wisconsin 53545 USA	Improvements in or relating to modular writing pen
98	142831	19-12-74	Midrex Corporation One NCNB Plaza, Charlotte, North Carolina 28280 USA	A vertical shaft furnace for continuously heat treating dissimilarly sized particles
99	142851	26-6-75	USS Engineers & Consultants 600 Grant Street, Pittsburgh Pennsylvania USA	A curved roll rack of continuous casting machine and method of continuous casting
100	142927	25-6-75	Chicago Pneumatic Tool Co 6 East 44th Streets, New York 10017 USA	A rotary tool such as a surface grinding tool including a rotary air motor.
101	142981	26-9-74	G. D. Societa Per Azioni Via Pompania, 10, Bologna Italy	Device for transferring and shaping ready for use
102	142983	27-11-74	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Improvements in or relating to coke oven battery
103	142998	26-9-74	G. D. Societa Per Azioni Via Pompania 10, Bologna Italy	Device for producing an cigarette packing machines the under strip or shoulder piece
104	143001	12-5-75	Girling Ltd Kings's Road, Tyesley Birmingham 11, Warwickshire England	Improvements in hydraulic booster for vehicle braking systems
105	143002	25-7-75	Josef Krings D 5138 Heinsberg Oberbruch Hans Brookler strasse, 23 German Federal Republic	Sheeting arrangements for sheeting of a ditch
106	143010	21-8-74	Dr. C. Otto & Comp Christstrasse, 9, Postfach 1849/1850 463 Bochum West Germany	Closure for the charging holes of coke ovens
107	143015	15-10-75	Metallgesellschaft AG 6 Frankfurt A. M. Main Reuterweg 14, FRG	Improved combustion system for pelletizing apparatus of the travelling grate type
108	143017	3-1-76	F. L. Smidth & Co 77 Vigerslev Alle, DK 2500 Valby Copenhagen Denmark	Improvements relating to rotary drums
109	143024	28-8-75	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Probe disposed in a high pressure chamber
110	143030	25-3-75	French State of 4, Avenue, De La Ports D'essy 75996 Paris Armoes France	Improvements in super charged internal combustion engines in particular diesel engines
111	143032	25-7-75	Josef Krings D 5138 Heinsberg Oberbruch Hans Bockler strasse 23 FRG	A self supporting sheeting panel for shoring trenches
112	143042	16-1-76	Sechoron Souduro SA 9 Land Switzerland	Methods and device for cutting eroding welding and depositing metallic and non metallic material by means of an electric arc
113	143055	30-8-74	O & K Orlsten & Kopperl Einsiedlerstrasse 6, Cubeck FRG	Double jib crane
114	143073	17-7-75	Johnson & Johnson 501 George street New Brunswick New Jersey USA	A blood filter elements

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115	143076	25-10-75	Girling Ltd Kings's Road, Tysley Birmingham 11, Warwickshire England	Improvements in actuator assemblies for vehicles brakes
116	143101	12-1-76	Chicago Pneumatic Tool Co 6 East 44th Street, New York 10017 USA	Safety inlet air valve control arrangement for air powered hand held tool
117	143113	21-7-75	Emhart (UK) Ltd Crompton Road, Wheatley Doncaster, South Yorkshire England	A glassware forming apparatus
118	143135	18-9-74	The Bobtex Corpn Ltd 115 Montclair Boulevard, Montreal Quebec Canada	Method and apparatus for manufacture of composite yarn products
119	143165	27-5-75	Saint Gobain Industries 62 Boulevard Victor Mugo Nevilly Sen Seine France	Process and apparatus for the manufacture of tubes from fibrous felt
120	143166	23-7-75	Uwe Tiedt 7550 Restraß Karlstrasse 14 FRG	Control system for the uniform distribution of fluid in a hose or tube and a hose equipped therewith
121	143170	15-12-75	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Apparatus for discharging hot liquid from a pressure vessel
122	143172	1-4-76	Trutzschler GmbH & Co KB Duv enstrasse 82-93 D-4050 Monchen Gladbach 3, FRG	Device for cleaning textile fibre flacks
123	143176	21-8-74	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Apparatus for processing the gas main flushing liquor yielded in coke oven
124	143177	18-12-74	Owens Corning Fiberglass Corpn Toledo Ohio USA	Method of forming glass fibres and apparatus therefor
125	143179	29-3-75	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	A device for continuously with drawing solids which have formed a sediment in a liquid
126	143183	12-7-76	Do.	Battery of coke ovens with regenerative heat exchange
127	143205	27-1-77	Ludwig Taprogge Wach olderstrasse 7, 4000 D sseldorf 34, FRG	A device for the separation of solids from a liquid stream
128	143210	1-2-75	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Coke oven battery adapted for regenerative heating with lean gas
129	143212	18-6-75	Oce Van Der Grinten NV Venlo Holland	Liquid application device on a sheet like material
130	143241	26-4-76	Mining & Allied Machinery Corpn Durgapur 10, Dist Burdwan West Bengal India	Hydraulic process for roof support of mines
131	143275	31-3-75	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	A coke guide machines movable on the coke side of coke oven battery
132	143303	29-11-75	C S I R Rafi Marg, New Delhi India	Mechanical adopter device to improve the efficiency of a water sampler
133	143318	25-9-75	Western Gear Corpn 2100 Norton Avenue Everett Washington 98201 USA	Hydraulic drilling rig and power survel and a method of drilling
134	143321	12-8-76	Johnannes Josef Martin 248 40 Poldi-strasse 8000 Munich 40 West Germany	Charging device for large furnaces
135	143338	12-7-76	Chong Min Ho Makum Junction P. O. & T. O. Assam, India	Improved machine for chasing operation
136	143361	28-2-75	Fritz Stahlacker Josef Neidhart Strasse 18 D 7341 Bad Ueberkingen West Germany	Method and apparatus for start spinning a thread of an open end spinning unit of an open end spinning machine

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137	143371	12-12-74	Siemens AG Berlin & Munich, West Germany	A rotors of a turbine and a means for balancing the same
138	143409	21-7-75	Emhart (UK) Ltd Crompton Road, Wheatley, Doncaster South Yorkshire England	System for transferring heat
139	143415	14-4-75	NRM Corporation 47 Exchange Street, West, Akron, Ohio 44308 USA	Tire building machine
140	143432	16-7-76	Chong Min Ho Makum Junction P. O. & T. O. Assam India	A continuous oil distillation process and distillation plant therefor
141	143450	9-6-75	Palitex Project Co Weeserweg 8, 415 Krefeld West Germany	A spinning or twisting spindle in particular a double twisting spindle
142	143452	2-9-75	Dofasco Inc P. O. Box 460 Hamilton Ontario Canada L8N 3J5	Safety device for banking vehicles

COMMERCIAL WORKING OF PATENTED INVENTION

LIST No. VI

The following patents in the field of Mechanical & General Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of calendar year 1981, generally on account of want of requests for licences to work the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of licence for the purpose.

S. No.	Patent No.	Date of Patent	Name & Address of the Patentee	Title of the invention
1	2	3	4	5
1	143467	24-6-74	Shri P. C. Saxena, Shri S. R. Gaikwad, Shri P. Ramanathan, The Director, Central Water & Power Research Station, Poona, Maharashtra	A device adopted to measure the temperature of a liquid or gaseous media
2	143499	1-2-75	Dr. C. Otto & Comp GmbH Christstrasse, 9, Postfach 1849/1850 463 Bochum West Germany	Underjet coke oven batteries
3	143505	25-11-75	A/S Teknova Denmark 2990 Niva, Denmark	A fixture to be mounted on the discharge spout of a gas bottles or a similar tubular member
4	143506	21-1-76	Fritz Traber 8000 Munich 90 Obervestfacher Str. 29 Federal Republic Germany	A mountable and removable arresting device for a foil or similar thin covering material for making temporary or permanent covering encasings special partitions
5	143508	28-10-76	F. L. Smidth & Co A/s 77 Vigerslev Alle, DK 2500 Copenhagen Valby Denmark	Improvements in tube mills for drying and grinding
6	143517	10-9-75	Leca Trading & Concession A/s Vestergade 16, DK 1456 Copenhagen Denmark	A rotary kiln for producing a bloated clay product
7	143542	16-8-74	Girling Ltd Kings Road, Tyseley, Birmingham 11, Warwickshire, England	Improvements relating to disc brakes
8	143545	5-5-75	Ludwigtaprogge 4034 Angermund Wacholderstrasse 7, FRG	Process and equipment for the condensation of steam
9	143546	15-7-75	Knorr Bremse GmbH 8000 Munchen 40, Moosacher strasse, 80 German Federal Republic	Three pressure control valve for brake devices in rail vehicles
10	143551	31-12-75	Fritz Stahlecker Hofe Neidhart Strasse 18 D 7341 Bad Urkingen West Germany	Open end spinning unit containing means for cleaning fibrous materials

1	2	3	4	5
11	143555	31-1-75	Scovill Manufacturing Co Waterbury, Country of New Haven Connecticut USA	Improvements in or relating to tyre valves
12	143580	25-11-74	Wabco Ltd 11 Princess Street, Hamilton Ontario Canada L8L 3K4	Brake pipe reduction indicating apparatus
13	143635	28-2-75	Fritz Stihlecker Josef Neidhar Strasse 18, DK 7341 Bad Uberkingen West Germany	An open end spinning machine incorporating a movable piecing up apparatus
14	143662	21-8-75	Veb Spinnereimaschinenbau Karl Marx Stadt	Method of spinning and twisting yarn on spinning and twisting frames with a driven spinning ring
15	143730	23-7-76	Monsanto Co 800 North Lindbergh Boulevard St. Louis Missouri 63166 USA	Hose reinforced with discontinuous fibers oriented in the radial direction and a method for preparing the same
16	143740	21-2-76	Ajit Kumar Bhattacharjya C/o. Shri S. S. Bhattacharjya Block No. 9/5 Citizen's Co-operative Housing Society 103, Manicktola Main Road Calcutta-700054 West Bengal India	An improved rotating centre
17	143767	30-8-77	Chong Min Ho Makum Junction P. O. & T. O. Assam India	Particulate material mixing cum storage device
18	143769	28-1-75	Girling Ltd Kings's Road, Tyseley Birmingham 11, Warwickshire England	Fluid level indicator
19	143775	20-9-74	Synair Corpn P. O. Box 1087 17452 Irvine Boulevard Tustin State of California USA	A wheel mounted flate free tire and a method of producing the same
20	143784	18-3-76	Paul Opprecht Herrenbergstr. 10, CH-8962 Bergdietikon	Method and apparatus for seam welding over-lapped edges
21	143786	25-2-76	Subhas Mathew Alfred Herbert (India) Ltd Post Box No. 8605 Whitefield Road, Bangalore 560048 India	A revolving attachment for use in a submerged arc welding apparatus
22	143824	8-10-75	NRM Corpn 47 West Exchange Street Akron Ohio 44308 USA	Tire press unloader
23	143825	Do.	Do.	A loader for a tire press and a side by side loading device
24	143872	22-1-76	G. D. Societa Per Azioni Via Pomponia 10, Bologna, Italy	Improved decive for coordinating articles supplied in a bulk and for successively supplying them one by one to a wrapping machine particularly for chocolate and like products
25	143884	5-8-75	Palitex Project Co Weeserweg 8, 415 Krefeld, West Germany	A double or two for one twisting spindle and spinning or twisting machine incorporating
26	144006	24-7-76	Armstrong Cork Co Liberty & Charlotte streets, Lancaster, Pennsylvania USA	Apron skiving machine
27	144042	17-8-76	Wiltshire Cutlery Co Proprietary Ltd 36 Albert Road, South Melbourne Victoria Australia	Knife sharpener
28	144046	21-4-75	Riva Calzoni SPA Via Stendhal 34, Milano Italy	Water level control valves in tanks
29	144047	13-4-76	Levi Strauss & Co Two Embarcadero Centier San Francisco California 94106 USA	A method for preventing leg twist in denim garments
30	144052	12-3-75	Caterpillar Tractor Co 100 N. F. Adams Street Peoria Illinois 61629 USA	Modular truck body and method for making the same
31	144084	23-12-75	Bridgestone Tire Co Ltd No 1-1 1-chome Kyobashi chuo KV Tokyo Japan	Pneumatic tyre

1	2	3	4	5
32	144095	25-8-76	Union Carbide Corp 270 Park Avenue, New York 10017 USA	A process for machine scarfing individual defects from the surface of metal body
33	144099	28-4-75	RCA Corp 30 Rockefeller Plaza New York 10020 USA	Method and apparatus of cleaning a surface of an article
34	144118	11-7-75	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Slag bath generator adapted to operate under pressure
35	144136	29-11-77	Ganapati Bose Sadarghat Midnapore 721101 West Bengal	An improved cement pole
36	144138	2-1-76	Direct Power Ltd Newcar House, 98 Canadian Road London NW 1 9 EP England	Improvements relating to apposed piston internal combustion engines
37	144143	2-7-75	Patenverweertungs Spinnere 8730 Uxhach Conton a Gallen Switzerland	Method of making yarns from angora rabbits wool and synthetic fibers and yarns made by such method
38	144187	29-3-75	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany	Boiler having a wall consisting of weldable material
39	144193	6-10-75	Johannes Zimmer Ebentalerstrasse 133, 9020 Klangefurt, Austria	A device for treating a web of material
40	144201	18-3-76	Fulguritwerke Seelze Und Eichriede in Luthe Bei Hannover Adolf Oesterheld Luthe via Wunstorf FRG	Method of and apparatus for producing a fiber sheet or panel or like continuous material particularly an asbestos cement panel material
41	144236	28-4-76	Carborundum Universal Ltd Tiruvottiyur Madras 600019 India	A process of making a grinding and polishing hard wheel and grinding and polishing hard wheel obtained thereby
42	144244	7-1-75	Hollingsworth GmbH D 7261 Oberhavgstett FRG	Process for producing saw toothed wire cloth for a beter roll of an open end spinning machine
43	144263	27-5-76	CSIR, Rafi Marg, New Delhi-110012 India	A process for improving the tool life of high speed steel tools
44	144269	15-6-76	Klein Schanzun & Becker AG 6710 Frankenthal FRG	Fluid circulation apparatus
45	144274	11-3-77	Combustion Engineering Inc 1000 Prospect Hill Road, Windsor Connecticut USA	Boiler furnace design for pulverised coal and stocker firing
46	144305	20-6-75	Sunkist Growers Inc 14130 Riverside Drive Sherman Oaks, California USA	Conveyor for fragile objects
47	144339	2-8-76	CSIR Rafi Marg, New Delhi-12, India	Improved cutter device for use with a suction dredger for desilting of river and water way
48	144352	14-2-77	Ethicon Inc New Jersey, USA	A needle suture combination and method of preparing same
49	144361	7-1-75	N. V. Phillips' Gloeilampenfabrieken Emmasingel Eindhoven Netherlands	Push button device for mechanical preselection turning
50	144384	8-5-75	Aerogup GmbH Auefeld 1, 3510 Hann Munden West Germany	Pressure hose comprising several layers of reinforcing strengtheners
51	144400	19-8-76	The Vazir Sultan Tobacco Co Ltd Azamabad Hyderabad 500020 Andhra Pradesh India	Improvements in or relating to blanks for cartoons
52	144428	10-6-77	Chong Min Ho Makum Junction P. O. & T. O. Assam India	Machine for continuously separating stalks from the tea mass
53	144437	19-6-75	Crasso's Koninklijke Machinefabrieken NV Parallelweg 27, S' Hertogenbosch Netherlands	A method and an apparatus for machining a gear wheel for rotary displacement machine
54	144452	24-6-75	Abex Corporation 530 5th Avenue New York 10036 USA	Variable displacement fluid energy translating device
55	144453	12-8-75	The Cross Co 17801 Fourteen Mile Road Fraser Michigan 48026 USA	Machining center and method of machining work pieces

1	2	3	4	5
56	144465	28-1-76	Veb Wirkmaschinenbau KMS 90 Karl Marx stadt Annaberger strasse 73, German Democratic Republic	Process and device for severing thread fibres or flat shaped articles of preferably synthetic textile material especially for separating pile loops in pile knitting machines
57	144561	18-8-76	Johannes Josef Martin 248 Kopoldstrasse 8000 Pünich 40 FRG	A slag removing apparatus for large furnace
58	144624	2-4-76	Beloit Corporation 1st Lawrence Ave, Beloit, Wisconsin 53574 USA	Part annular segment for use in a pulp refiner
59	144652	8-10-76	Ethicon Inc Sumerville New Jersey USA	Package for armed sutures
60	144659	9-7-76	Akira Nadaguchi 5651 Fujisaisa Jugisawa shi Kanagawa Ken Japan	A solar collector
61	144681	8-8-75	Ethicon Inc Somerville New Jersey USA	Needle suture mounting and dispensing device and package
62	144694	19-7-76	G. Wolff Etc No. 877 Hattinger Federal Republic Germany	Oven chamber door for a coke oven
63	144713	9-2-76	United Technologies 1, Financial Plaza Hartford, Connecticut, USA	A rotor assembly for a gas turbine engine and method of making the blade support disc for the rotor assembly
64	144754	12-2-76	Eaton Ltd Darlington County Durtan England	Drive axle system useable in 6x6 vehicle
65	144811	20-9-76	Kraftwerke Union Aktion Gerells chaft FRG	Apparatus for mounting mechanical torque
66	144819	26-12-75	Ethicon Inc Somerville New Jersey USA	An improved surgical suture and a method of preparing the same
67	144826	25-8-76	Shell Internationale Research Maatschappij BV Carel Van Bylandtlaan 30, The Hague, The Netherlands	Waste heat boiler
68	144888	8-7-75	F. L. Smidth & Co A/s 77 Vigerslev Alle DK 2500 Copenhagen Valby Denmark	Rotary packer for filling sacks
69	144900	11-3-76	Satake Engineering Co Ltd 19-10 Ueno-3 chome Ku Tokyo Japan	Roll type huller
70	144905	20-12-76	Manfred Streicher Bahuhafstrasse 22, 7141 Beilstein FRG	A displacement pump
71	144906	30-5-77	H. P. Mathrani 17 Camac street Calcutta-700017 West Bengal India	A precast hollow block
72	144910	22-10-75	Johannes Zimmer Ebentalerstrasse 113 9020 Kaagenfurt Austria	Squeegee device
73	144936	20-9-76	Saint Gobain Industries 62 Boulevard Victor Hugu Surseine France	Process and apparatus for treating clon gate work piece
74	144968	25-10-76	R. A. Lister & Co Ltd Longstreet, Dursley Gloucestershire GL11 4HS England	Improvements in or relating to a piston for an internal combustion engine
75	144977	31-5-76	Dr. C. Otto & Comp GmbH Christstrasse 9, Postfach 1849 1850 463 Bochum West Germany	Coke oven chamber battery
76	144992	6-2-76	Saint Gobain Industries 62 Boulevard Victor Hugu F 92209 Nevelly Sur Siene France	Apparatus for making fibres from attenuable material

PATENTS DEEMED TO BE ENDORSED WITH THE WORD "LICENCE OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licence of right" under Section 87 of the Patents Act, 1970. The dates shown in crescent brackets are the dates of the patents.

No.	Title of the invention
144572 (12-6-75)	A method of insolubilising etherified cellulose copolymer.
145412 (20-5-75)	Process of preparing triazo dyestuffs.
145551 (27-6-77)	Process for the preparation of clear and aqueous sulfonamide/trimethoprim solutions.

No.	Title of the invention
145717 (17-11-76)	Process for the manufacture of water soluble triazo dyestuffs.
146012 (26-7-77)	Improvements in a method of preparing a nitrogen containing polysaccharide.
146055 (13-5-77)	Method for the extraction of undesirable and/or toxic glucosiding compound from vegetables.
146093 (11-4-77)	Process for the manufacture of fibre reactive phthalocyanine azo dyestuffs.
146232 (19-10-77)	A process for the preparation of inorganic green pigment.

RENEWAL FEES PAID

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 126877 127856 131398 131429 131502 131523 131571 131608
 131697 133966 134184 135384 135555 135646 135735 135742
 135825 135932 136133 136134 136179 136195 136241 136377
 136760 136959 137016 137017 137404 137599 138814 138842
 138901 139109 139726 139442 140084 140206 140454 140734
 140821 141642 141694 141800 141811 141851 141866 141879
 142023 142526 142824 142906 143054 143093 143095 143249
 143478 143820 143949 144078 144079 144455 144483 144498
 144725 144776 144977 145251 145332 145412 145500 145739
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 146558 146640 146974 147670 148138 148420 148492 148493
 148547 149279 149320 149585 149698 149712 149907 150087
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CESSATION OF PATENTS

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 111523 111524 111540 111551 111552 111555 111559 111561
 111562 111581 111586 111599 111623 111625 111626 111630
 111638 111649 111655 124692 135920 139507 143862 147396
 147397 147398 147399 147400 148988

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 152539. Tirupati Manglam Industries, an Indian Proprietary concern, 14-B/8749, Sidipura, Karol Bagh, New Delhi-110005. "Flower Pot". 3rd December, 1982.

Class. 1. No. 152434. Silver Spark Private Limited, A Company incorporated under the Indian Companies Act, C-66, Anand Niketan, New Delhi-110021. India. An Indian Company. "Electronic Gas Lighter". 3rd November, 1982.

Class. 1. No. 152522. United States Surgical Corporation, a Company incorporated and existing under the laws of the State of New York, U.S.A., of 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Disposable Staple Cartridge for Linear Closure Surgical Stapler". 3rd December, 1982.

Class. 1. No. 152524. United States of Surgical Corporation, a Company incorporated and existing under the laws of the State of New York, U.S.A., of 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Surgical Stapler". 3rd December, 1982.

Class. 1. No. 152667. Eastern Arts Valley, 6/D-7, Kisor, Moradabad (U.P.) a firm registered under the Indian Partnership Act, 1932. "Coffee Pot". 12th January, 1983.

Class. 1. No. 152526. United States Surgical Corporation, a Company incorporated and existing under the laws of the State of New York, U.S.A., of 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Surgical Stapler". Priority date is 8th September, 1982. (U.K.)

Class. 1. No. 152528. United States Surgical Corporation, a Company incorporated and existing under the laws of the State of New York, U.S.A., of 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Surgical Staple Cartridge". Priority date is 8th September, 1982 (U.K.).

Class. 3. No. 152538. Tirupati Manglam Industries, an Indian Proprietary concern, 14-B/8749, Sidipura, Karol Bagh, New Delhi-110005. "Flower Pot". 3rd December, 1982.

Class. 3. No. 152735. Peter Autokits Private Limited, an Indian Company incorporated under the Companies Act 1956, of M. Vissanji Road, Makvana Lane, Marol, Andheri (East), Bombay-400 059, Maharashtra, India. "Massage Shower". 29th January, 1983.

Class. 3. No. 152933. Mohan Laxman Tamhankar, Indian National, 238 Lady Jamshedji Road, Dadar, Bombay-400 028, State of Maharashtra, India. "Filter Disc". 23rd March, 1983.

Class. 3. No. 152934. Adi Phiroze Peston Jamas, an Indian National, C/o Arphi Electronics (Pvt.) Limited, of Prabhadevi Industrial Estate, Block No. 17, 1st floor, Veer Savarkar Marg, Bombay-400 025, Maharashtra, India. "A Speaker". 23rd March, 1983.

Class. 3. No. 152736. Peter Autokits Private Limited, an Indian Company incorporated under the Companies Act 1956, of M. Vissanji Road, Makvana Lane Marol, Andheri (East), Bombay-400 059, Maharashtra, India. "Hacksaw Frame". 29th January, 1983.

Class. 3. No. 152523. United States Surgical Corporation, a Company incorporated and existing under the laws of the State of New York, U.S.A., of 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Disposable Staple Cartridge for Linear Closure Surgical Stapler". 3rd December, 1982.

Class. 3. No. 152525. United States Surgical Corporation, a Company incorporated and existing under the laws of the State of New York, U.S.A., of 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Surgical Stapler". 3rd December, 1982.

Class. 3. No. 152527. United States Surgical Corporation, a Company incorporated and existing under the laws of the State of New York, U.S.A., of 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Surgical Stapler". Priority date is 8th September, 1982 (U.K.).

Class. 5. No. 152602. Welcome India Trading Company also as Witco, 3470 Nicholson Road, Delhi-110006, a firm registered under the Indian Partnership Act, 1932. "Match Box". 17th December, 1982.

Extn. of Copyright for the Second period of five years.

Nos. 143277, 143228, 142798, 146831, 146832, 146833, 146834, 146835, 146836, 146520, 146524, Class-1
 146388 Class-3
 146597 Class-5

DR. K. V. SWAMINATHAN
 Controller General of Patents,
 Designs and Trade Marks.